



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Broadley, et al.
 Appl. No. : 10/613976
 Filed : July 2, 2003
 For : REFERENCE ELECTRODE
 HAVING A FLOWING LIQUID
 JUNCTION AND FILTER
 MEMBERS
 Examiner : Unknown
 Group Art Unit : 1753

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

10-30-03

Johnfar Kerlee
(Date)

Johnfar Kerlee, Reg. No. 53,111

TRANSMITTAL LETTER

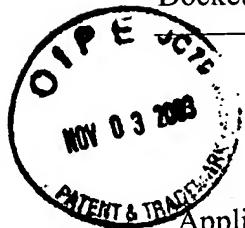
Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application are:

- (X) An Information Disclosure Statement.
- (X) A PTO Form 1449 listing thirty-one (31) references.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.
- (X) Return prepaid postcard.

Johnfar Kerlee
 Registration No. 53,111
 Attorney of Record
 Customer No. 20,995
 (619) 235-8550

**INFORMATION DISCLOSURE STATEMENT**

Applicant : Broadley, et al.
App. No. : 10/613976
Filed : July 2, 2003
For : REFERENCE ELECTRODE HAVING A FLOWING LIQUID JUNCTION AND FILTER MEMBERS
Examiner : Unknown
Group Art Unit : 1753

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed is form PTO-1449 listing thirty-one references that were previously disclosed to or cited by the Patent and Trademark Office in the prosecution of U.S. patent application No. 09/590781, filed June 8, 2000, which is the parent of this application, and is relied upon for an earlier filing date under 5 U.S.C. § 120. Copies of the references are not submitted pursuant to 37 C.F.R. § 1.98(d).

This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required in accordance with 37 C.F.R. § 1.97(b)(3). If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 10-30-03

By: Johnfar Kerlee

Johnfar Kerlee
Registration No. 53,111
Attorney of Record
Customer No. 20,995
(619) 235-8550

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. BROADRE.023CP2	APPLICATION NO. 10/613976
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Broadley, et al.	
(USE SEVERAL SHEETS IF NECESSARY)		FILING DATE July 2, 2003	GROUP 1753

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
1		2,595,042	4/52	WYLLIE			
2		3,445,368	5/20/69	DETEMPLE			
3		3,528,904	9/70	CLIFFGARD			
4		3,607,702	9/71	HALLER			
5		3,756,936	9/73	NEUWELT			
6		3,915,829	10/28/75	KREBS			
7		3,917,523	11/4/75	STEIN, et al.			
8		3,962,765	12/16/75	HADDAD			
9		4,002,547	1/11/77	NETI et al.			
10		4,012,308	3/15/77	JERROLD-JONES, et al.			
11		4,177,126	12/4/79	IMAKI, et al.			
12		4,366,040	12/28/82	MARSONER, et al.			
13		4,495,052	1/22/85	BREZINSKI			
14		4,592,824	6/3/86	GREGORY			
15		4,592,824	6/3/86	SMITH, et al.			
16		4,818,366	4/89	YONCO, et al.			
17		5,360,529	11/1/94	EDWARDS, et al.			
18		5,397,452	3/14/95	BUCK, et al.			
19		5,632,876	5/23/97	ZANZUCCHIH, et al			
20		6,165,336	12/00	MAKI, et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
21		WO 99/63334 A1	12/9/99	EPO				
22		JP 10104193-A2	4/24/98	JAPAN			X	
23		JP 11258197-A2	9/24/99	JAPAN			X	
24		FR 25414624	8/24/84	FRANCE				

EXAMINER

DATE CONSIDERED

*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>USE SEVERAL SHEETS IF NECESSARY</small>	ATTY. DOCKET NO. BROADRE.023CP2	APPLICATION NO. 10/613976
	APPLICANT Broadley, et al.	
	FILING DATE July 2, 2003	GROUP 1753

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
25	Brezinski, Donald, <i>Kinetic, static and stirring errors of liquid junction reference electrodes</i> , Corning Glass Works, April 1983; Vol. 108, No. 1285, pp 425-442
26	Covington, et al., <i>Improvements in the precision of pH measurements a laboratory reference electrode with renewable free-diffusion liquid junction</i> . Analytica Chemical Acta, 169 (1985) 221-229.
27	Dohner, et al., <i>Reference electrode with free-flowing free-diffusion liquid junction</i> , Analytical Chemistry, Vo. 68, No.12 (1986) pp. 2585-2589.
28	Illingworth, John, <i>A common source of error in pH measurements</i> Biochem. J. (1981) 195, 259-262
29	Nishizawa, M. et al., <i>Metal nanotubule membranes with electrochemically switchable ion-transport selectivity</i> ; Science, American Assoc. for the Advancement of Science, 268, 700-702 (1995)
30	Peters, G., <i>A Reference Electrode with free-diffusion liquid junction for electrochemical measurements under changing pressure conditions</i> ; Analytical Chemistry, US American Chemical Society: 69:13 2362-2366 (1997)
31	Suzuki, et al., <i>Microfabricated Liquid Junction Ag/AgCl Reference Electrode and Its Application to a One-Chip Potentiometric Sensor</i> , Anal. Chem. Vol. 71, no. 22, pp. 5069-5075, (1999)

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EXAMINER	DATE CONSIDERED
<small>*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.</small>	